AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (CURRENTLY AMENDED) A method for obtaining a transgenic maize plant which comprises:

(a) preparing ~~uncharacterized DNA fragments~~ genomic DNA of greater than 10 kb from DNA of a donor sorghum plant species;

(b) transforming plant cells of a recipient maize plant ~~species~~ with said ~~DNA fragments~~ genomic DNA associated with at least one selectable marker;

(c) selecting transformed maize plant cells;

(d) regenerating maize plants from the transformed maize plant cells;

(e) harvesting seed from the regenerated plants;

(f) planting the harvested seed and growing the resultant plants;

(g) analyzing the plants for improved agronomic characteristics; and

(h) selecting plants having an improved agronomic characteristic.

2 – 3. (CANCELED)

4. (ORIGINAL) The method of claim 1, wherein seed is harvested from regenerated plants which have been selfed.

5. (ORIGINAL) The method of claim 1, wherein seed is harvested from regenerated plants which have been backcrossed to the recipient plant species.

6. (ORIGINAL) The method of claim 1, wherein said plants having improved an agronomic characteristic are introduced into a breeding program to produce progeny of said plants, said progeny maintaining said improved agronomic characteristic.

7. (CANCELED)

8. (ORIGINAL) A transgenic plant produced by the process of claim 1.

9 – 10. (CANCELED)

11. (ORIGINAL) A transgenic plant produced by the process of claim 4.

12. (ORIGINAL) A transgenic plant produced by the process of claim 5.

13. (ORIGINAL) A transgenic plant produced by the process of claim 6.

14. (CANCELED)

15. (CURRENTLY AMENDED) A method for obtaining a transgenic maize plant having an improved agronomic characteristic which comprises:

(a) preparing ~~uncharacterized DNA fragments~~ genomic DNA of greater than 10 kb from DNA of a donor sorghum plant species;

(b) inserting said DNA fragments into a vector;

(c) transforming plant cells of a recipient maize plant ~~species~~ with said vector containing said ~~DNA fragments~~ genomic DNA associated with at least one selectable marker;

(d) selecting transformed maize plant cells;

(e) regenerating maize plants from the transformed maize plant cells;

(f) harvesting seed from the regenerated plants;

(g) planting the harvested seed and growing the resultant plants;

(h) analyzing the plants for improved agronomic characteristics;

(i) selecting plants having an improved agronomic characteristic;

(j) harvesting seed from said selected plants; and

(k) introducing seed from said selected plants into a breeding program to produce progeny of said plants, said progeny maintaining said improved agronomic characteristic.

16. (ORIGINAL) The method of claim 15, wherein said DNA fragments inserted into a vector are inserted between two selectable markers.

17. (ORIGINAL) The method of claim 15, wherein seed is harvested from regenerated plants which have been selfed.

18. (ORIGINAL) The method of claim 15, wherein seed is harvested from regenerated plants which have been backcrossed to the recipient plant species.

19. (ORIGINAL) A transgenic plant produced by the process of claim 15.

20. (ORIGINAL) A transgenic plant produced by the process of claim 16.

21. (ORIGINAL) A transgenic plant produced by the process of claim 17.

22. (ORIGINAL) A transgenic plant produced by the process of claim 18.